

OIIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,283

DATE: 11/20/2001

TIME: 10:02:49

Input Set : A:\0623 1000000 seq list.txt

Output Set: N:\CRF3\11202001\I756283.raw

5 <110> APPLICANT: Chernajovsky, Yuti
 6 Dreja, Hanna Stina
 7 Adams, Gillian
 10 <120> TITLE OF INVENTION: Latent Fusion Protein
 13 <130> FILE REFERENCE: 0623.1000000
 16 <140> CURRENT APPLICATION NUMBER: US 09/756,283
 18 <141> CURRENT FILING DATE: 2001-01-09
 21 <160> NUMBER OF SEQ ID NOS: 100
 24 <170> SOFTWARE: PatentIn version 3.0
 28 <210> SEQ ID NO: 1
 30 <211> LENGTH: 15
 32 <212> TYPE: PRT
 C--> 34 <213> ORGANISM: Artificial
 38 <220> FEATURE:
 40 <223> OTHER INFORMATION: MMP cleavage site including linker sequence
 42 <400> SEQUENCE: 1
 44 Gly Gly Gly Gly Ser Pro Leu Gly Leu Trp Ala Gly Gly Gly Ser
 45 1 5 10 15
 47 <210> SEQ ID NO: 2
 49 <211> LENGTH: 52
 51 <212> TYPE: DNA
 C--> 53 <213> ORGANISM: Artificial
 57 <220> FEATURE:
 59 <223> OTHER INFORMATION: Sense oligo
 61 <400> SEQUENCE: 2
 62 aattcggggg aggcggatcc ccgctcgggc ttgggcgagg agggggctca gc 52
 65 <210> SEQ ID NO: 3
 67 <211> LENGTH: 52
 69 <212> TYPE: DNA
 C--> 71 <213> ORGANISM: Artificial
 75 <220> FEATURE:
 77 <223> OTHER INFORMATION: Antisense oligo
 79 <400> SEQUENCE: 3
 80 ggccgctgag cccctcccg cccaaagccc gagcggggat ccgcctcccc cg 52
 83 <210> SEQ ID NO: 4
 85 <211> LENGTH: 29
 87 <212> TYPE: DNA
 C--> 89 <213> ORGANISM: Artificial
 93 <220> FEATURE:
 95 <223> OTHER INFORMATION: Sense Primer
 97 <400> SEQUENCE: 4
 98 ccaagcttat gccgccctcc gggctgcgg 29
 101 <210> SEQ ID NO: 5
 103 <211> LENGTH: 29
 105 <212> TYPE: DNA
 C--> 107 <213> ORGANISM: Artificial
 111 <220> FEATURE:

Does Not Comply
Corrected Diskette Needed

Errors on Error pp. 1 & 2

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Input Set : A:\0623 1000000 seq list.txt

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113 <223> OTHER INFORMATION: Antisense Primer
115 <400> SEQUENCE: 5
116 ccgaattcgc ttgcagatg ctgggccct 29
119 <210> SEQ ID NO: 6
121 <211> LENGTH: 31
123 <212> TYPE: DNA
C--> 125 <213> ORGANISM: Artificial
129 <220> FEATURE:
131 <223> OTHER INFORMATION: Sense Primer
133 <400> SEQUENCE: 6
134 cgcggccgca atcaactata agcagctcca g 31
137 <210> SEQ ID NO: 7
139 <211> LENGTH: 32
141 <212> TYPE: DNA
C--> 143 <213> ORGANISM: Artificial
147 <220> FEATURE:
149 <223> OTHER INFORMATION: Antisense Primer
151 <400> SEQUENCE: 7
152 ggtctagatc agttttggaa gtttctggta ag 32
155 <210> SEQ ID NO: 8
157 <211> LENGTH: 29
159 <212> TYPE: DNA
C--> 161 <213> ORGANISM: Artificial
165 <220> FEATURE:
167 <223> OTHER INFORMATION: Sense Primer
169 <400> SEQUENCE: 8
170 ccaagcttat gaacaacagg tggatcctc 29
173 <210> SEQ ID NO: 9
175 <211> LENGTH: 29
177 <212> TYPE: DNA
C--> 179 <213> ORGANISM: Artificial
183 <220> FEATURE:
185 <223> OTHER INFORMATION: Antisense Primer
187 <400> SEQUENCE: 9
188 ccgaattcgt ttggaagtt tctggtaag 29
191 <210> SEQ ID NO: 10
193 <211> LENGTH: 31
195 <212> TYPE: DNA
C--> 197 <213> ORGANISM: Artificial
201 <220> FEATURE:
203 <223> OTHER INFORMATION: Sense Primer
205 <400> SEQUENCE: 10
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209 <210> SEQ ID NO: 11
211 <211> LENGTH: 32
213 <212> TYPE: DNA
C--> 215 <213> ORGANISM: Artificial
219 <220> FEATURE:
221 <223> OTHER INFORMATION: Antisense Primer

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Input Set : A:\0623 1000000 seq list.txt

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223 <400> SEQUENCE: 11
224 ggtctagatc agctttgcag atgctgggcc ct 32
227 <210> SEQ ID NO: 12
229 <211> LENGTH: 23
231 <212> TYPE: DNA
C--> 233 <213> ORGANISM: Artificial
237 <220> FEATURE:
239 <223> OTHER INFORMATION: Sense Primer
241 <400> SEQUENCE: 12
242 cgcccatggc gccttcgggg cct 23
245 <210> SEQ ID NO: 13
247 <211> LENGTH: 29
249 <212> TYPE: DNA
C--> 251 <213> ORGANISM: Artificial
255 <220> FEATURE:
257 <223> OTHER INFORMATION: Antisense Primer
259 <400> SEQUENCE: 13
260 ccgaattcgc tgtgcagggtg ctgggccct 29
263 <210> SEQ ID NO: 14
265 <211> LENGTH: 5
267 <212> TYPE: PRT
C--> 269 <213> ORGANISM: Artificial
273 <220> FEATURE:
275 <223> OTHER INFORMATION: Flexible linker
277 <400> SEQUENCE: 14
279 Gly Gly Gly Gly Ser
280 1 5
282 <210> SEQ ID NO: 15
284 <211> LENGTH: 6
286 <212> TYPE: PRT
C--> 288 <213> ORGANISM: Artificial
292 <220> FEATURE:
294 <223> OTHER INFORMATION: Cleavage site
296 <400> SEQUENCE: 15
298 Pro Leu Gly Leu Trp Ala
299 1 5
301 <210> SEQ ID NO: 16
303 <211> LENGTH: 8
305 <212> TYPE: PRT
C--> 307 <213> ORGANISM: Artificial
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313 <223> OTHER INFORMATION: Flexible portion
315 <400> SEQUENCE: 16
317 Gly Gly Gly Gly Ser Ala Ala Ala
318 1 5
320 <210> SEQ ID NO: 17
322 <211> LENGTH: 4
324 <212> TYPE: PRT
C--> 326 <213> ORGANISM: Artificial

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TIME: 10:02:49

Input Set: A:\0623 1000000 seq list.txt

Output Set: N:\CRF3\11202001\I756283.raw

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330 <220> FEATURE:
332 <223> OTHER INFORMATION: Core of cleavage site
334 <400> SEQUENCE: 17
336 Pro Leu Gly Leu
337 1
339 <210> SEQ ID NO: 18
341 <211> LENGTH: 4
343 <212> TYPE: PRT
C--> 345 <213> ORGANISM: Artificial
349 <220> FEATURE:
351 <223> OTHER INFORMATION: Core of cleavage site
353 <400> SEQUENCE: 18
355 Pro Leu Gly Ile
356 1
358 <210> SEQ ID NO: 19
360 <211> LENGTH: 1376
362 <212> TYPE: DNA
C--> 364 <213> ORGANISM: Artificial
368 <220> FEATURE:
370 <223> OTHER INFORMATION: LAP-mIFNbeta construct
372 <220> FEATURE:
374 <221> NAME/KEY: CDS
376 <222> LOCATION: (1)..(1368)
380 <400> SEQUENCE: 19
381 atg ccg ccc tcc ggg ctg cgg ctg ctg ccg ctg ctg cta ccg ctg ctg      48
382 Met Pro Pro Ser Gly Leu Arg Leu Leu Pro Leu Leu Leu Pro Leu Leu
383 1                    5                10                15
385 tgg cta ctg gtg ctg acg cct ggc ccg ccg gcc gcg gga cta tcc acc      96
386 Trp Leu Leu Val Leu Thr Pro Gly Pro Pro Ala Ala Gly Leu Ser Thr
387                20                25                30
389 tgc aag act atc gac atg gag ctg gtg aag cgg aag cgc atc gag gcc      144
390 Cys Lys Thr Ile Asp Met Glu Leu Val Lys Arg Lys Arg Ile Glu Ala
391                35                40                45
393 atc cgc ggc cag atc ctg tcc aag ctg cgg ctc gcc agc ccc ccg agc      192
394 Ile Arg Gly Gln Ile Leu Ser Lys Leu Arg Leu Ala Ser Pro Pro Ser
395                50                55                60
397 cag ggg gag gtg ccg ccc ggc ccg ctg ccc gag gcc gtg ctc gcc ctg      240
398 Gln Gly Glu Val Pro Pro Gly Pro Leu Pro Glu Ala Val Leu Ala Leu
399 65                70                75                80
401 tac aac agc acc cgc gac cgg gtg gcc ggg gag agt gca gaa ccg gag      288
402 Tyr Asn Ser Thr Arg Asp Arg Val Ala Gly Glu Ser Ala Glu Pro Glu
403                85                90                95
405 ccc gag cct gag gcc gac tac tac gcc aag gag gtc acc cgc gtg cta      336
406 Pro Glu Pro Glu Ala Asp Tyr Tyr Ala Lys Glu Val Thr Arg Val Leu
407                100               105               110
409 atg gtg gaa acc cac aac gaa atc tat gac aag ttc aag cag agt aca      384
410 Met Val Glu Thr His Asn Glu Ile Tyr Asp Lys Phe Lys Gln Ser Thr
411                115               120               125
413 cac agc ata tat atg ttc ttc aac aca tca gag ctc cga gaa gcg gta      432

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DATE: 11/20/2001

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Input Set : A:\0623 1000000 seq list.txt

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414	His	Ser	Ile	Tyr	Met	Phe	Phe	Asn	Thr	Ser	Glu	Leu	Arg	Glu	Ala	Val	
415		130					135					140					
417	cct	gaa	ccc	gtg	ttg	ctc	tcc	cgg	gca	gag	ctg	cgt	ctg	ctg	agg	agg	480
418	Pro	Glu	Pro	Val	Leu	Leu	Ser	Arg	Ala	Glu	Leu	Arg	Leu	Leu	Arg	Arg	
419	145					150					155					160	
421	ctc	aag	tta	aaa	gtg	gag	cag	cac	gtg	gag	ctg	tac	cag	aaa	tac	agc	528
422	Leu	Lys	Leu	Lys	Val	Glu	Gln	His	Val	Glu	Leu	Tyr	Gln	Lys	Tyr	Ser	
423				165					170						175		
425	aac	aat	tcc	tgg	cga	tac	ctc	agc	aac	cgg	ctg	ctg	gca	ccc	agc	gac	576
426	Asn	Asn	Ser	Trp	Arg	Tyr	Leu	Ser	Asn	Arg	Leu	Leu	Ala	Pro	Ser	Asp	
427			180						185					190			
429	tcg	cca	gag	tgg	tta	tct	ttt	gat	gtc	acc	gga	gtt	gtg	cgg	cag	tgg	624
430	Ser	Pro	Glu	Trp	Leu	Ser	Phe	Asp	Val	Thr	Gly	Val	Val	Arg	Gln	Trp	
431		195						200						205			
433	ttg	agc	cgt	gga	ggg	gaa	att	gag	ggc	ttt	cgc	ctt	agc	gcc	cac	tgc	672
434	Leu	Ser	Arg	Gly	Gly	Glu	Ile	Glu	Gly	Phe	Arg	Leu	Ser	Ala	His	Cys	
435		210				215								220			
437	tcc	tgt	gac	agc	agg	gat	aac	aca	ctg	caa	gtg	gac	atc	aac	ggg	ttc	720
438	Ser	Cys	Asp	Ser	Arg	Asp	Asn	Thr	Leu	Gln	Val	Asp	Ile	Asn	Gly	Phe	
439	225					230					235				240		
441	act	acc	ggc	cgc	cga	ggt	gac	ctg	gcc	acc	att	cat	ggc	atg	aac	cgg	768
442	Thr	Thr	Gly	Arg	Arg	Gly	Asp	Leu	Ala	Thr	Ile	His	Gly	Met	Asn	Arg	
443				245						250					255		
445	cct	ttc	ctg	ctt	ctc	atg	gcc	acc	ccg	ctg	gag	agg	gcc	cag	cat	ctg	816
446	Pro	Phe	Leu	Leu	Met	Ala	Thr	Pro	Leu	Glu	Arg	Ala	Gln	His	Leu		
447			260						265					270			
449	caa	agc	gaa	ttc	ggg	gga	ggc	gga	tcc	ccg	ctc	ggg	ctt	tgg	gcg	gga	864
450	Gln	Ser	Glu	Phe	Gly	Gly	Gly	Gly	Ser	Pro	Leu	Gly	Leu	Trp	Ala	Gly	
451		275						280						285			
453	ggg	ggc	tca	gcg	gcc	gca	atc	aac	tat	aag	cag	ctc	cag	ctc	caa	gaa	912
454	Gly	Gly	Ser	Ala	Ala	Ala	Ile	Asn	Tyr	Lys	Gln	Leu	Gln	Leu	Gln	Glu	
455		290				295						300					
457	agg	acg	aac	att	cgg	aaa	tgt	cag	gag	ctc	ctg	gag	cag	ctg	aat	gga	960
458	Arg	Thr	Asn	Ile	Arg	Lys	Cys	Gln	Glu	Leu	Leu	Glu	Gln	Leu	Asn	Gly	
459	305					310					315				320		
461	aag	atc	aac	ctc	acc	tac	agg	gcg	gac	ttc	aag	atc	cct	atg	gag	atg	1008
462	Lys	Ile	Asn	Leu	Thr	Tyr	Arg	Ala	Asp	Phe	Lys	Ile	Pro	Met	Glu	Met	
463				325						330					335		
465	acg	gag	aag	atg	cag	aag	agt	tac	act	gcc	ttt	gcc	atc	caa	gag	atg	1056
466	Thr	Glu	Lys	Met	Gln	Lys	Ser	Tyr	Thr	Ala	Phe	Ala	Ile	Gln	Glu	Met	
467			340						345					350			
469	ctc	cag	aat	gtc	ttt	ctt	gtc	ttc	aga	aac	aat	ttc	tcc	agc	act	ggg	1104
470	Leu	Gln	Asn	Val	Phe	Leu	Val	Phe	Arg	Asn	Asn	Phe	Ser	Ser	Thr	Gly	
471		355						360						365			
473	tgg	aat	gag	act	att	gtt	gta	cgt	ctc	ctg	gat	gaa	ctc	cac	cag	cag	1152
474	Trp	Asn	Glu	Thr	Ile	Val	Val	Arg	Leu	Leu	Asp	Glu	Leu	His	Gln	Gln	
475		370				375						380					
477	aca	gtg	ttt	ctg	aag	aca	gta	cta	gag	gaa	aag	caa	gag	gaa	aga	ttg	1200
478	Thr	Val	Phe	Leu	Lys	Thr	Val	Leu	Glu	Glu	Lys	Gln	Glu	Glu	Arg	Leu	

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/756,283

DATE: 11/20/2001

TIME: 10:02:50

Input Set : A:\0623 1000000 seq list.txt

Output Set: N:\CRF3\11202001\I756283.raw

L:34 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:53 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:71 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:89 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:107 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:125 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:143 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:161 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:179 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:197 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:215 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:233 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:251 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:269 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:288 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:307 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:326 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:345 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:364 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
L:504 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
L:508 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:508 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:632 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:770 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:774 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:774 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:1604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:1759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55

<210> 20

<211> 455

<212> PRT

<213> Artificial[↑]

Must provide explanation
— See error summary sheet, item 11

<400> 20

Met	Pro	Pro	Ser	Gly	Leu	Arg	Leu	Leu	Pro	Leu	Leu	Leu	Pro	Leu	Leu
1				5					10					15	

04/756483

error 1.2

<210> 22

<211> 447

<212> PRT

<213> Artificial

→ same error

<400> 22

Met	Asn	Asn	Arg	Trp	Ile	Leu	His	Ala	Ala	Phe	Leu	Leu	Cys	Phe	Ser
1				5					10					15	

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>
------------------------------	------------------------------------

SERIAL NUMBER: 09/756,283

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ **Wrapped Nucleics**
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☐ **Misaligned Amino Numbering** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ **Variable Length** Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ **PatentIn 2.0 "bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ **Skipped Sequences (OLD RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ **Skipped Sequences (NEW RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 ☐ **Use of n's or Xaa's (NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ **Invalid <213> Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ☒ **Use of <220>** Sequence(s) 20+22 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ **PatentIn 2.0 "bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/756,283

Source: OIP

Date Processed by STIC: 11/20/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>